

Title (en)  
SUPPORT STRUCTURES FOR A FLEXIBLE ELECTRONIC COMPONENT

Title (de)  
STÜTZSTRUKTUREN FÜR EIN FLEXIBLES ELEKTRONISCHES BAUTEIL

Title (fr)  
STRUCTURES DE SUPPORT POUR UN COMPOSANT ÉLECTRONIQUE FLEXIBLE

Publication  
**EP 3087559 A1 20161102 (EN)**

Application  
**EP 14875752 A 20141224**

Priority

- US 201361920705 P 20131224
- US 201461969531 P 20140324
- US 201461979668 P 20140415
- US 201462003549 P 20140528
- US 2014072313 W 20141224

Abstract (en)  
[origin: WO2015100396A1] A dynamically flexible article or device, such as a wristband, an armband, a rollable e-reader, or a belt, includes a flexible electronic component (e.g., a flexible display) and a support structure coupled to the flexible electronic component. The support structure is configured to limit bending of the flexible electronic component to a range within a bending tolerance of the flexible electronic component.

IPC 8 full level  
**G09F 9/00** (2006.01); **H10K 99/00** (2023.01)

CPC (source: EP KR US)  
**A44C 5/0015** (2013.01 - EP); **A44C 5/0084** (2013.01 - EP); **A44C 27/008** (2013.01 - EP); **G06F 1/163** (2013.01 - KR US); **G06F 1/1652** (2013.01 - KR US); **G09F 9/301** (2013.01 - EP KR US); **G09F 21/02** (2013.01 - EP US); **H05K 1/0281** (2013.01 - US); **H05K 1/183** (2013.01 - US); **H05K 1/189** (2013.01 - US); **H05K 5/0017** (2013.01 - US); **H05K 5/0086** (2013.01 - US); **H10K 77/111** (2023.02 - KR); **H05K 2201/051** (2013.01 - US); **Y02E 10/549** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2015100396 A1 20150702**; CN 106030687 A 20161012; CN 106030687 B 20200814; EP 3087559 A1 20161102; EP 3087559 A4 20170906; EP 3087559 B1 20210505; JP 2017504204 A 20170202; KR 20160103073 A 20160831; TW 201531834 A 20150816; TW I676880 B 20191111; US 10201089 B2 20190205; US 10834822 B2 20201110; US 2015378391 A1 20151231; US 2017034918 A1 20170202; US 2018054897 A1 20180222; US 9848494 B2 20171219

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**US 2014072313 W 20141224**; CN 201480076314 A 20141224; EP 14875752 A 20141224; JP 2016543026 A 20141224; KR 20167020274 A 20141224; TW 103145254 A 20141224; US 201514847693 A 20150908; US 201615192249 A 20160624; US 201715794242 A 20171026